

**(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)**

**(19) World Intellectual Property Organization International Bureau**



**(43) International Publication Date**  
10 June 2004 (10.06.2004)

**PCT**

**(10) International Publication Number**  
**WO 2004/047721 A2**

**(51) International Patent Classification<sup>7</sup>:**

**A61K**

Road, Gwalior 474 002 (IN). ARORA, Kajal [IN/IN]; C/o Deptt. of Biochemistry, Delhi University, Smooth Campus, Benito Juarez Road, New Delhi 110 002 (IN). CHAUDHARY, Vijay, Kumar [IN/IN]; C/o Deptt. of Biochemistry, Delhi University, South Campus, Benito Juarez Road, New Delhi 110 002 (IN).

**(21) International Application Number:**

PCT/IN2003/000296

**(22) International Filing Date:**

3 September 2003 (03.09.2003)

**(74) Agents:** DAVAR, G., S. et al.; L.S. Davar & Co., "Monalisa", Flats 1B & 1C, 17 Carnac Street, Calcutta 700 017 (IN).

**(25) Filing Language:**

English

**(81) Designated States (national):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

**(26) Publication Language:**

English

**(84) Designated States (regional):** ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**(30) Priority Data:**

1187/Del/02	26 November 2002 (26.11.2002)	IN
271/Del/03	12 March 2003 (12.03.2003)	IN

**Published:**

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

**(71) Applicant (for all designated States except US):** DEFENSE RESEARCH & DEVELOPMENT ORGANISATION [IN/IN]; Ministry of Defence, Government of India, B-341 Sena Bhawan, DHO P.O., New Delhi 110 011 (IN).

**(72) Inventors; and**

**(75) Inventors/Applicants (for US only):** RAI, Ganga, Prasad [IN/IN]; C/o Defence Research & Development Establishment, Jhansi Road, Gwalior 474 002 (IN). AGARWAL, Gauri, Shankar [IN/IN]; C/o Defence Research & Development Establishment, Jhansi Road, Gwalior 474 002 (IN). SHARMA, Shri, Krishna [IN/IN]; C/o Defence Research & Development Establishment, Jhansi Road, Gwalior 474 002 (IN). JAISWAL, Devendra, Kunar [IN/IN]; C/o Defence Research & Development Establishment, Jhansi Road, Gwalior 474 002 (IN). SHEKHAR, Krishnamurthy [IN/IN]; C/o Defence Research & Development Establishment, Jhansi



**WO 2004/047721 A2**

**(54) Title:** A PROCESS FOR PREPARATION OF AN AGGLUTINATION REAGENT FOR RAPID DETECTION OF TYPHOID

**(57) Abstract:** A process for the preparation of an agglutination for rapid and early detection of typhoid, comprising in the steps: (a) preparing *Salmonella typhi* specific antibody, (b) preparing latex particles suspensions, (c) coating said latex particles with the antibody.